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45 Watts

SRW-45 Series

Features

- Universal 85-264 VAC Input
- Compact 3" x 5"x 1.12" Size
- Class B Emissions Per EN 55022
- Over 150,000 Hours MTBF
- Open Frame or Optional Chassis and Cover
- 2 Year Warranty
- Short Circuit Protection
- EN 60950 ITE Certification

Safety Specifications

General		Protection Class:	I
		Overvoltage Category:	II
		Pollution Degree:	2
c UL us	Underwriters Laboratories File E137708	UL 1950, Third Edition	
c UL us	UL recognition Mark for Canada File E137708	CAN/CSA-C22.2 No. 950-M95	
TÜV	TUV License B 00 02 30824 013	EN 60950/All:1997 VDE 0805	
CE		Low Voltage Directive	

Model Listing

MODEL NO.	OUTPUT 1	OUTPUT 2	OUTPUT 3	OUTPUT 4
SRW-45-4001	+5V/5A	-5V/2A	+12V/0.7A	-12V/0.7A
SRW-45-4002	+5V/5A	-5V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4003	+5V/5A	+24V/1A	+12V/0.7A	-12V/0.7A
SRW-45-4004	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4005	+5V/5A	+24V/1A	-12V/0.7A	-5V/0.7A
SRW-45-4006	+5V/5A	+15V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4007	8V/2A	8V/0.5A	18V/0.7A	18V/0.7A
SRW-45-4008	+3.3V/5A	+3.3V/3A	5V/3A	12V/0.7A
SRW-45-4009	+5V/5A	+27V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4010	+5V/5A	+32V/1A	+15V/.7A	-15V/.7A(5)
SRW-45-4011	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A(6)
SRW-45-4012	+5V/5A	+12V/3A	9V/1A	+12V/0.7A
SRW-45-3001	+5V/5A	+12V/3A		-12V/0.7A
SRW-45-3002	+5V/5A	+15V/2A		-15V/0.7A
SRW-45-3003	+5V/5A	+24V/1.5A		-12V/0.7A
SRW-45-3004	+5V/5A	+9V/3A		-12V/0.7A
SRW-45-3005	+5V/5A	+18V/2A		-18V/0.7A
SRW-45-3006	+5V/5A	+15V/2.5A	-15V/2.5A(5)	
SRW-45-2001	+5V/5A	+12V/3A		
SRW-45-2002	+5V/5A	-5V/4A		
SRW-45-2003	+5V/5A	+24V/1.5A		
SRW-45-2004	+12V/3A	-12V/2A		
SRW-45-2005	+15V/2.5A	-15V/2A		
SRW-45-2007	+18V/1.5A	-18V/1A(5)		
SRW-45-2008	+5V/5A	+13V/3A		
SRW-45-1001	5V/9A			
SRW-45-1002	12V/4A			
SRW-45-1003	15V/3A			
SRW-45-1004	24V/2A			
SRW-45-1006	13.8V/3.3A			

All specifications are maximum at 25°C unless otherwise stated and are subject to change without notice.

Output Specifications

Total Output Power	45W	
Output Voltage Centering	Output 1: ± 0.25% Output 2: ± 5.0% Output 3: ± 3.0% Output 4: ± 3.0%	(All outputs at 50% rated load)
Source Regulation	Outputs 1-3: 0.5%	
Load Regulation	Output 1: 0.5% (20-100% Load Change) Output 2: 5.0% (10-70% Load Change) Output 3: 2.0% (10-100% Load Change) Output 4: 2.0% (10-100% Load Change)	
Cross Regulation	Output 2: 5.0% Output 3: 2.0% Output 4: 2.0%	(Output 1 load varied 50-100%)
Output Voltage Adjust Span Resolution	 Output 1: 95% to 105% 1%	
Output Noise Source Freq. Switching Freq. Total (20Mhz)	 Outputs 1-4: 0.5% Outputs 1-4: 1% Outputs 1-4: 1%	 (Output under test at 100% rated load)
Turn On Overshoot	None	
Transient Response Voltage Deviation Recovery Time Load Change	Outputs 1-4 5% 2mS 50% to 100%	
Output Overvoltage Protection (Optional)	Output 1: 110% To 150%	
Output Overpower Protection	110% Min., Outputs 1-4 Outputs cycle on/off, auto recovery	
Hold Up Time	16mS Min, 45W Output 120V Input	
Start Up Time	1 Second	

Input Specifications

Source Voltage	85 - 264 Volts Continuous
Frequency Range	47-63 Hz
Source Current True RMS Peak Inrush	 1A at 85V Input 40A
Efficiency	.68 - .72 (Varies by model)

Environmental Specifications

Ambient Operating Temperature Range	0° C to +50° C
Storage Temperature Range	-40° C To +85° C
Temperature Coefficient	Outputs 1-4: 0.02%/°C
Shock	Transit Drop per MIL-STD-810E Method 516.4 Procedure IV
Vibration	MIL-STD-810E, Method 514.4, Category 1
Conducted Emissions	EN 55022 Class B.

General Specifications

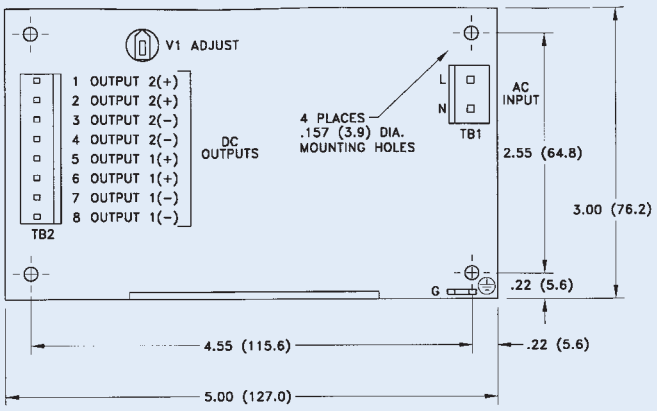
Dielectric Strength	4250 VDC, Primary to Secondary, 1Sec. 2150 VDC, Primary to Ground, 1Sec. 500 VDC, Secondary to Ground, 1 Sec.
Mean-Time Between Failures	150,000 Hours min., MIL-HDBK-217F, 25° C, GB
Weight	1.0 lbs Chassis and Cover 0.5 Lbs. Open Frame

NOTES:

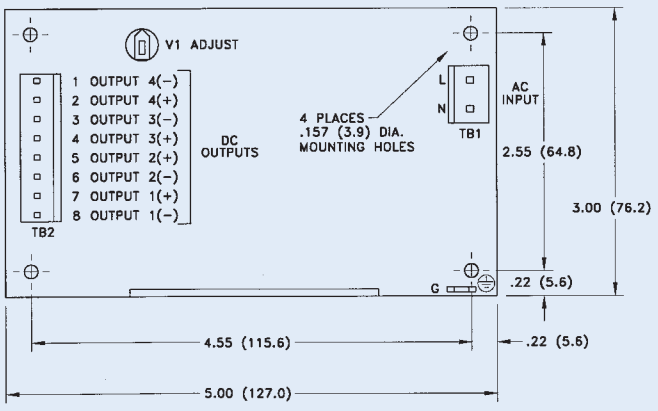
1. Consult factory for alternate output configurations.
2. Consult factory for positive, negative, or floating output 2.
3. Specify optional overvoltage protection, chassis and cover when ordering.
4. Models 4008 and 3006 centering, load regulation and cross regulation are rated at 5% on output 3.
5. TUV only
6. UL, CUL only

SRW-45 Series Mechanical Specifications

Single & Dual Open Frame



Triple & Quad Open Frame



AC Input Connector TB1:

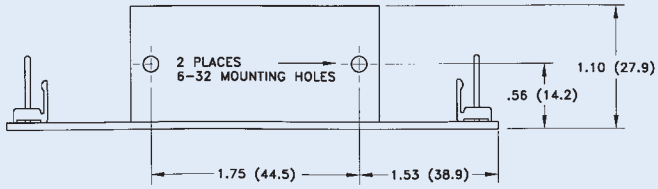
- .156 inch friction lock header mates with Molex 09-50-3031 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.

DC Output Connector TB2:

- .156 inch friction lock header mates with Molex 09-50-3081 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.

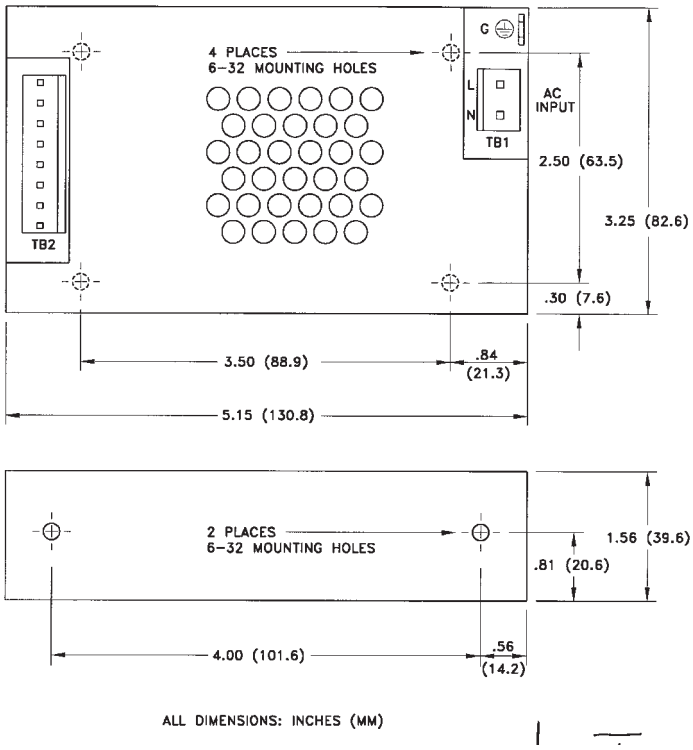
Ground Connector ⏚:

- Ground mates with .187 inch quick disconnect terminal.



ALL DIMENSIONS: INCHES (MM)

Optional Chassis & Cover



ALL DIMENSIONS: INCHES (MM)

Applications Information

1. Maximum screw penetration into mounting holes is .25 inch.
2. Each output can deliver its rated load but total output power must not exceed 45 watts.
3. A minimum load of 20% is required on output one to insure proper regulation of remaining outputs.
4. Peak to peak output ripple and noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip, 20 MHz bandwidth.
5. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing AC dielectric strength test.
6. This product is intended for use as a professionally installed component within information technology equipment.

Optional chassis/cover shown